[METHOD OF INTER-FRAME Y/C SEPER-ATION OF NTSC]

Abstract

The present invention discloses a method of inter-frame Y/C separation, adapted for NTSC. The method first samples a composite video signal for temporarily storing a plurality of sampled data $F_m P_{x,y}$, wherein the $F_m P_{x,y}$ represents data of the y pixel at the x line of the frame m, and the m, x and y are integers larger than, or equal to, 0. Then the method measures a plurality of luma data $Y_{x,y}$ by the $F_{m+1} P_{x,y}$, the $F_m P_{x,y}$, the $F_{m-1} P_{x,y}$ and the $F_{m-2} P_{x,y}$, wherein $Y_{x,y}$ represents luma data of the y pixel of the x line. Finally, the method measures a plurality of chroma data $C_{x,y}$ by the $F_{m+1} P_{x,y}$, the $F_m P_{x,y}$, the $F_{m-1} P_{x,y}$ and the $F_{m-2} P_{x,y}$, wherein $C_{x,y}$ represents chroma data of the y pixel of the x line.